

ANTIPOV-KARATAYEV, I. N.

Book on the Stalin plan ("Great plan for transforming nature." V. A. Kovda.
Reviewed by I. N. Antipov-Karatayev.
Priroda 41, no. 6, 1952.

SO: MLRA. September 1952.

ANPIPOV-KRATILYEV, I. N.

Malthusianism

Struggle against neo-Malthusianism is the struggle for peace,
Pochvovedenie No. 2, 1953

Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

1. ANTIPOV-KARATAYEV, I., Prof.
2. USSR (600)
4. Malthusianism
7. Against misanthropic theories, Rabotnitsa, 31, no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Antonov, I.N.	"Development of Soi on trains the year"	Institut of Geodesy and V...
Filippova, N.I.		Geodachnaya Academy of Sciences USSR
Ishak, L.M.		
Sorokin, G.R.		

80: W-30604, 7 July 1954

SUKACHEV, V.N., akademik, otvetstvennyy redaktor; ZONN, S.V., doktor sel'skokhozyaystvennykh nauk, professor, otvetstvennyy redaktor;
~~ANTIPOV-KARATAYEV~~, professor, otvetstvennyy redaktor;
ZHITOY, S.P., redaktor, izdatel'stva; SHCHENKO, G.N., tekhnicheskiy redaktor.

[Proceedings of the Joint Scientific Expedition on Problems of Shelterbelt Afforestation] Trudy kompleksnoy nauchnoy ekspeditsii polezashchitnogo lesovazvedeniya. V.2 [Works] Raboty 1950 g.

No.5 [Studies of the permanent field station at Arshan-Zel'men]
Issledovaniia statcionara Arshan'-Zel'men'. 1953. 106 p.

(MIRA 10:11)

1. Akademiya nauk SSSR, Kompleksnaya nauchnaya ekspeditsiya po voprosam polezashchitnogo lesovazvedeniya, 1949-. 2. Deystvitel'nyy chlen Akademii nauk Tadzhikskoy SSR. (for Antipov-Karatayev).
(Sarpy District--Afforestation)

ANTIROV-KARATAYEV, I. N.

O putyakh povysheniya plodorodiya oroshayemykh zemel' Tadzhikistana ("Ways of increasing the fertility of irrigated lands in Tajikistan," by) I. N. Antirov-Karatayev i L. P. Belyakova. Moskva, 1954, 58 p. At head of title: Akademiya Nauk SSSR. Fochvennyy Institut. Akademiya Nauk Tadzhikskoy SSR. Institut Fochvovedeniya Melioratsii i Irrigatsii. "Literatura": p. 57-(59)

SO: 22N/5
723
.A6

Card 1/1 : Pub. 42-1/3

Author : Antipov-Karatayev, I. N.

Title : Improvement of irrigated and nonirrigated saline soils in connection with the development of virgin and idle lands

Periodical : Izv. AN SSSR, Ser. biol., 4, 3-18, 1954

Abstract : Experiments were conducted by many USSR scientific-research agencies in connection with the development of arable virgin and idle lands. Results of these experiments proved that the agro-biological method is the best for reclaiming saline soil. Use of this method resulted in 40-50% greater grain crop yield than when the usual method was used. Greater crop yield was also obtained when the agro-biological method was used in improving non-saline soils. Tables. Illustrations. Nine Soviet references.

Institution : Soil Institute imeni V. V. Dokuchayev, Academy of Sciences USSR

Submitted : May 4, 1954

Fit-1340

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000101720010-9

ANTIFOV-KARATAYEV, I. N.

"Application of the Isotope Method to the Study of Absorption of Electrlytes
by the Soils in Connection with Land Improvement," a paper presented at the Atoms
for Peace Conference, Geneva, Switzerland, 1955

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000101720010-9"

✓ Accessible laboratory methods of determining the degree of solonetzicity of soils. I. N. Antipov-Karatsev and L. Ya. Mamerev. Pochvovedenie 1955, No. 8, 51-5. --A method is described for detg. the degree of solonetzicity of soil by means of a std. soln. of gypsum and for the calcn. of gypsum necessary for the amelioration of the soil. The principle of the method is based on the effect of the gypsum soln. on a 2.5 g. sample of soil. When the soil treated with the gypsum soln. coagulates but can be resuspended in H₂O this represents the first stage, when 20% of Na is removed. When treated to the point where the soil cannot be resuspended, it has reached the stage where the Na removed equals 70-80%. The quantity of gypsum necessary for amelioration can thus be calc'd. The theoretical basis for the method is discussed, and a method of detg. the total Na is also given.

(1)

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000101720010-9

ANTIPOV-KARATA耶EV, I. N.

"Reclamation of Solonets Soils in the USSR," a paper presented at the 6th International Soil Science Congress, Paris, 28 Aug to 8 Sep 56.

In Library Branch #5

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000101720010-9"

BENEDIKTOV, I.A., redaktor; GRITSENKO, A.V., redaktor; IL'IN, M.A., zamestaniy glavnogo redaktora; LAPTEV, I.D., LISKUN, Ye.F.; LOBAKOV, P.P.; GLAVNYY redaktor; LYSENKO, T.D.; SKRYABIN, K.I.; STOLNTOV, T.N.; PAVLOV, O.I., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SOKOLOV, N.S., professor, nauchnyy redaktor; ANTIPOV-KARATAEV, I.N., doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; KARPINSKIY, N.P., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SHUSTAKOV, A.O., doktor sel'skokhozyaystvennykh nauk, professor, nauchnyy redaktor; RUBIN, B.A., doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; KOMARNITSKIY, N.A., dotsent, nauchnyy redaktor; LYSENKO, T.D., akademik, nauchnyy redaktor; POLYAKOV, I.M., professor, nauchnyy redaktor; SHCHEGOLEV, V.N., doktor sel'skokhozyaystvennykh nauk, professor, nauchnyy redaktor; YAKUSHKIN, I.V., akademik, nauchnyy redaktor; LARIN, I.V., professor, doktor biologicheskikh nauk, nauchnyy redaktor; SMELOV, S.P., professor, doktor biologicheskiy nauk, nauchnyy redaktor; MEDLSHTEYN, V.I., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SHCHERBACHEV, D.M., professor, doktor meditsinskikh nauk, nauchnyy redaktor; OGOLEVETS, G.S., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor; YAKOVLEV, P.N., akademik, nauchnyy redaktor; YAKIMOV, V.P., agronom, nauchnyy redaktor [deceased], YETTINGER, G.P., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; TIMOFEEV, N.N., professor, nauchnyy redaktor; TUROV, S.I., professor, doktor biologicheskikh nauk; YUDIN, V.M., akademik, nauchnyy redaktor; LISKUN, Ye.F., akademik, nauchnyy redaktor; VITT, V.U., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; KALININ, V.I., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor;

(Continued on next card)

BENEDIKTOV, I.A.---- (continued) Card 2.

OREBEN', L.K., akademik, nauchnyy redaktor; NIKOLAYEV, A.I., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; RED'KIN, A.P., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SHMETNEV, S.I., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; POPOV, I.S., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; MANTSEVSKIY, P.A., professor nauchnyy redaktor; INIKHOV, G.S., professor, doktor khimicheskikh nauk, nauchnyy redaktor; ANPIMOV, A.N., professor, nauchnyy redaktor; GUBIN, A.F., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; POLTEV, V.I., professor, doktor veterinarnykh nauk, nauchnyy redaktor; LINDE, V.V., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; CHERGAS, B.I., professor, doktor biologicheskikh nauk, nauchnyy redaktor; NIKOL'SKIY, O.V., professor, nauchnyy redaktor; AVTOKRATOV, D.M., professor, doktor veterinarnykh nauk, nauchnyy redaktor; IVANOV, S.V., professor, doktor biologicheskikh nauk, nauchnyy redaktor; VIKTOROV, K.P., professor, doktor veterinarnykh nauk, nauchnyy redaktor; KOLYAKOV, Ya.Ye., professor, doktor veterinarnykh nauk, nauchnyy redaktor; ANTIFIN, D.N., professor, doktor veterinarnykh nauk, nauchnyy redaktor; MARKOV, A.A., professor, doktor veterinarnykh nauk, nauchnyy redaktor; DOMRACHEV, G.V., professor, doktor veterinarnykh nauk, nauchnyy redaktor; OLIVKOV, B.M., professor, doktor veterinarnykh nauk nauchnyy redaktor [deceased]; FLEGMATOV, N.A., professor, doktor veterinarnykh nauk, nauchnyy redaktor; BOLTINSKIY, V.N., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; VIL'YAMS, Vl.P., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; KPASHOV, V.S., kandidat tekhnicheskikh nauk, nauchnyy redaktor;

(Continued on next card)

BENEDIKTOV, I.A.---(continued) Card 3.

YEVREINOV, M.O., akademik, nauchnyy redaktor; SAZONOV, N.A., doktor tekhnicheskikh nauk, nauchnyy redaktor; NIKANDROV, B.I., inzhener, nauchnyy redaktor; KOSTYAKOV, A.N., akademik, nauchnyy redaktor; CHERKASOV, A.A., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; DAVITAYA, F.F., doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; IVANOV, N.N., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; ORLOV, P.M., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; LOZA, O.M., kandidat ekonomicheskikh nauk, nauchnyy redaktor; CHERNOV, A.V., kontrol'nyy redaktor; ZAVARSKIY, A.I., redaktor; ROS-SOSHANSKAYA, V.A., redaktor; FILATOVA, N.I., redaktor; YEMEL'YANOVA, N.I., redaktor; SILIN, V.S., redaktor BRANZBURG, A.Yu., redaktor; MAGNITSKIY, A.V., redaktor terminov; KUDRYAVTSEVA, A.O., redaktor terminov; AKSENKOVA, A.P., mladshiy redaktor; MALYAVSKAYA, O.A., mladshiy redaktor; YEDOTOVA, A.F., tekhnicheskiy redaktor

(Continued on next card)

BENEDIKTOV, I.A.---(continued) Card 4.

[Agricultural encyclopedia] Sel'skokhoziaistvennaya entsiklopediya.
Izd.3-e, perer. Moskva, Gos. izd-vo selkhoz. lit-ry. Vol.5. [T-IA.]
1956. 663 p. (MIRA 9:9)
(Agriculture—Dictionaries and encyclopedias)

ANTIPOV-KARATAYEV, I. N.; Kellerman, V. V.; Gorbunov, N. I.

"On the Colloid Chemical Nature of Soil Aggregates" (O kolloidno-khimicheskoy prirode pochvennykh agregatov) from the book Trudy of the Third All-Union Conference on Colloid Chemistry, pp.171-181, Iz. AN SSSR, Moscow, 1956

(Report given at above Conference, Minsk, 21-4 Dec 53)

Authors: Soil Institute AS USSR, Moscow

ANTIPOV-KARATAYEV, I.N.

USSR/Soil Science - Physical and Chemical Properties of Soils.

J-2

Abs Jour : Ref Zhur - Biol., No 2, 1958, 5723

Author : Antipov-Karatayev, I.N., Kader, G.M.

Inst : Soil Sciences Institute of the Academy of Sciences USSR

Title : On the Question of the Genesis of Argillaceous Minerals
Through the Disintegration of Primary Minerals.

Orig Pub : Tr. Pochv. in-ta Akad Nauk SSSR, 1956, 51, 98-157

Abstract : An experimental study of the processes of alteration of primary minerals (mica and feldspar) and formation of secondary argillaceous minerals under the influence of water and water solutions of organic compounds -- complex formers -- was conducted by use of electrodialysis. Through separation of the powders of these minerals the processes of synthesis and crystallization of secondary minerals, deriving from reaction with the water-soluble

Card 1/2

USSR/Soil Science, Tillage, Melioration, Erosion.

J-4

Abs Jour : Ref Zhur - Biol., No 5, 1958, 20082

Author : Antipov-Karatayev, I.N., Yurii, I.A., Frolkina, L.A.,
Kader, G.M.

Inst :

Title : The Meliorative Appropriation of Solonetz Soils in the
Chernozem Zone (Results of Experiments at the Kamennaya
Steppe).

Orig Pub : Pochvovoedeniye, 1957, No 2, 1-17.

Abstract : By means of a special physico-chemical prognostic method
of possible utilization of soil gypsum and carbonate layers,
the foundation has been laid for several practical methods
of self-melioration for solonetz soils. To set up a sys-
tem of meliorative measures, these investigations were
used on the solonetz soils of the central chernozem zone
(Kamennaya Steppe). By using this method of forecasting
the possibility of solonetz soil self-melioration,

Card 1/2

ANTEROV-KARATZ, V. N.

Work of the Sixth Committee. Pochvovedenie no.3:58-66 Mr '57.
(MIRA 10:?)

I. Pochvennyy institut imeni V.V.Dokuchayeva Akademii nauk SSSR.
(Soil research--Congresses)

COUNTRY : USSR
CATEGORY : Soil Science. Tillage. Improvement. Erosion. J

JRS. JOUR. : Rabbiot., No. 3 1959, No. 10712

AUTHOR : Antipov-Kerntayev, I. N.
INST. : Academy of Sciences, Uzbek SSR
TITLE : On the Deepening of the Tilling Layer of the Irrigated Soils of Tadzhikistan.

ORG. PUB. : Veb.: Materiały Mezhdunarodnogo konferenčnogo nauchno-issled. rabot po khlopkovodstvu, 1957, Taškent *)

ABSTRACT : In the cycle of cotton-alfalfa crop rotation in the irrigated regions of Tadzhikistan, the most efficient fall plowing is to the depth of 30-35 centimeters, with subsoiling to 15 centimeters for cotton (C). Deep plowing for the first cycle of the crop rotation is done before the seeding of grasses, with the plowing-in of the bed of perennial grasses, legumes (or manure). The duration of the cycle of cotton-alfalfa crop rotation may consist of
*) AN UzSSR, 1957, 23-28

S/LD: 1/3

COUNTRY :	
CATEGORY :	
ABS. JOUR. :	RZhBiol., No. 1959, No. 10712
AUTHOR :	
INST. :	
TITLE :	
ORIG. PUB. :	
ABSTRACT :	<p>the following links: 2 years of (C), 3 years of alfalfa + 3 years of (C); on the plowed-in bed of grasses + 2 years of (C); on the plowed-in bed of legumes (or manure). In Vakhshskaya valley, deep plowing of previously lands for (C) produced in the first year an additional 7.0 centners/ha of cotton wool. After the plowing-in of the bed of perennial grasses, additional 4.6 centners/ha were obtained for the 2 years of the cultivation of (C); with the plowing-in of shufai, the yield increased by still another 5.9 centners/ha in the following two years. In</p>

CONT:2/3

SEARCHED :
SERIALIZED :
FILED :
AMERICAN JOURN. : Sibilol., No. 1959, No. 10712
AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : Gissarayka valley, an increase in the yield of 9.6 centners/he was obtained for two years with the deep autumn plowing, and after the plowing-in of the bed of grasses - 23.9 centners/ha more of (C) of 108-I variety were obtained for 3 years. Progressive increase in the humus content and the soil structure in the layer to the depth of 45 centimeters have been noted. Introduction of deep plowing every 2-3 years over the entire territory of the Republic is proposed. -- V. A. Shreyder

ANTIPOV-KARATAYEV J.N.

Soil chemistry and physicochemistry in the U.S.S.R. Pochvovedenie
no.11:28-42 N '57. (MIRA 10:12)
(Soil chemistry) (Soil physics)

BLAGOVESHCHENSKIY, Bliy Nikolayevich; ANTIPOV-KARATAYEV, I.M., ovt. red.;
BONCHIKOVSKIY, F.N., ovt. red.; KOTSABEKO, Ye.O., red.izd-va;
PROLOV, P.M., tekhn.red.

[Soil water balance in deserts of Central Asia] Vodnyi reshim
pochvogruntov v pustyniakh Srednei Azii. Stalinabad, Izd-vo
Akad.nauk Tadzh.SSR, 1958. 131 p. (Akademija nauk Tadzhikskoi
SSR. Stalinabad, Trudy, vol.88) (MIRA 12:12)
(Soviet Central Asia--Soil moisture)

BYSTROV, Sergey Vasil'yevich; ANTIPOV-KARATAYEV, I.N., otv.red.;
BONCHIKOVSKIY, F.N., otv.red.; BATALOVA, M.A., red.izd-va;
PHOLOV, P.M., tekhn.red.

[Sagging of loess-type soils in the Vakhsh Valley] Prosadochnye
lessovidnye grunty (loessy) Vakhshkoi doliny. Stalinabad,
Izd-vo Akad.nauk SSR, 1958. 139 p. (Akademika nauk Tadzhikskoi
SSR. Stalinabad. Trudy, vol. 96). (MIRA 12:12)
(Vakhsh Valley--Loess)

ANTIPOV-KARATAEV, I.N., prof., otv. red.; KAVUN, P.K., red. izd-vs.;
PRUSAKOVA, T.A., tekhn. red.

[Problems in the improvement of solonetz soils] Voprosy melioratsii
solonetsov. Moskva, 1958. 371 p. (MIRA 11:11)

1. Akademiya nauk SSSR, Pochvennyy institut. 2. Deystvitel'nyy chlen
Akademii nauk Tadzhikskoy SSR (for Antipov-Karataev).
(Solonetz soils)

KLECHKOVSKIY, V.M., akademik, otvetstvennyy red.; ANTIPOV-KARATAYEV, I.N., akademik, otvetstvennyy red.; NICHIPOROVICH, A.A., doktor biol. nauk, otvetstvennyy red.; MUDREVICH, Eh.A., kand. biol. nauk, red.; OGOLINETS, Ya.G., red.; POLYAKOV, Yu.A., kand. sel'skokhozyaystvennykh nauk, red.; SUKHOV, G.V., red.; SHIRSHOV, V.A., kand. sel'skokhozyaystvennykh nauk, red.; SHAROVATOVA, I.B., red. izd-va.

[Physiology of plants. Agricultural chemistry. Soil science; proceedings of the Conference on the Use of Radioactive and Stable Isotopes and Radiation in the National Economy and in Science] Fisiologiya rastenii. Agrokhimiia. Pochvovedenie; trudy Vsesoyuznoi nauchno-tehnicheskoi konferentsii po primeneniyu radioaktivnykh i stabil'nykh isotopov i izlucheniyu v narodnom khoziaistve i nauke. Moskva, Izd-vo Akad. nauk SSSR, 1958. 436 p. (MIRA 11:6)

1. Vsesoyuznaya nauchno-tehnicheskaya konferentsiya po primeneniyu radioaktivnykh i stabil'nykh isotopov i izlucheniyu v narodnom khozyaystve i nauke, 1957.
2. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I. Lenina (for Klechkovskiy).
3. Akademiya nauk Tadzhikskoy SSR (for Antipov-Karatayev).
(Botany—Physiology) (Agricultural chemistry) (Soils)

GORSHENIN, Konstantin Pavlovich, prof., laureat Leninskoy premii;
ALEKSANDROVA, Lyudmila Nikolayevna; ANTIPOV-KARATAYEV, Ivan
Nikolayevich; GARKUSHA, Ivan Fedoseyevich; SOBOLEV, Sergey
Stepanovich; PLESHKOV, B.I., red.; SOKOLOVA, N.N., tekhn.red.

[Soil science] Pochvovedenie. Pod obahchel red. K.P.Gorshenina.
Moskva, Gos.isd-vo sel'khoz.lit-ry, 1958. 438 p. (MIRA 12:8)

1. Omskiy sel'skokhoz.institut (for Gorshenin). 2. Leningradskiy
sel'skokhoz.institut (for Aleksandrova). 3. Pochvennyy institut
Akademii nauk SSSR (for Antipov-Karatayev, Sobolev). 4. Belorusskaya
sel'skokhoz.akademiya (for Garkusha).
(Soils)

ANTONOV-FAFLEEV, T. N. and G. M. KALIN

"Experimental Studies of Hydrolysis Processes in Primary Minerals and the Formation of Secondary Argillaceous Minerals" p. 159

"Synthesis and Structure of Hydroxilicates containing Simple and Complex Heavy Metal Cations." p. 38

Transactions of the Fifth Conference on Experimental and Applied Mineralogy and Petrography, Trudy ... Moscow, Izd-vo AN SSSR, 1958, 516pp.

reprints of reports presented at conf. held in Leningrad, 26-31 Mar 1956. The purpose of the conf. was to exchange information and coordinate the activities in the fields of experimental and applied mineralogy and petrography, and to stress the increasing complexity of practical problems.

YUSUPOVA, S.; ANTIPOV-KARATAYEV, I.N., prof., akademik, ovt. red.; POPOV,
I.V., prof., red.

[Mineralogical characteristics of loess in the Vakhsh Valley] Mi-
neralogicheskie osobennosti lessov Vakhshskoi doliny. Stalinabad,
Tadzhikskii gosuniversitet im. V.I.Lenina, 1958. 200 p.
(MIRA 14:11)

1. AN Tadzhikskoy SSR(for Antipov-Karatayev).
(Vakhsh Valley--Loess)

ANTIPOV-KARATAYEV, I.N.

"Nauchni trudove" of the Pushkarov Soil Institute, no.1, 1956:
Pochvovedenie no.1:111 Ja '58. (MIRA 11:2)
(Bulgaria—Soil research)

KONONOVA, N.M.; ANTIPOV-KARATAEV, I.N.

In soil research institutes of the German Federal republic (January
23rd - February 10th). Pochvovedenie no.5:111-113 My '58.

(MIRA 11:6)

(Germany, West--Soil research)

ASKINAZI, D.L.; ANTIPOV-KARATAYEV, I.N.

"Soil colloids and the absorptive power of soils" by N.P. Remezov.
Reviewed by D.L. Askinazi and I.N. Antipov-Karatayev. Pochvovedenie
no.12:86-90 D '58. (MIRA 12:1)
(Soil physics) (Soil colloids) (Remezov, N.P.)

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CIA-RDP86-00513R000101720010-9

ANTILION-KARATAYEV, I. N.; VOLAEVICH, M. P.; SHISHNIASHVILI, M. Ye.; BERESTNEVA, Z. Ya.; DENISOV, N. Yu.; SERB-SERBINA, N. N.; KORZHUYEV, A. S.; NICHIPORENKO, S. P.; KUKOLEVA, G. V.; OVCHARENKO, F. D.;

"Structure formation in the colloidal chemistry of clays and peat."

report presented at the Fourth All-Union Conference on Colloidal Chemistry,
Tbilisi, Georgian SSR, 12-16 May 1978 (Kolloid zhur, 20,5, p.677-9, '78, Tschuban, A.B.)

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000101720010-9"

IVANOV, Petr Kirillovich; ANTIPOV-KARATAYEV, I.N., prof., otd.red.;
IVANOV, V.V., red.izd.-va; SUSHKOVA, L.A., tekhn.red.

[Increasing the fertility of Chernozem and Chestnut soils]
Povyshenie plodorodiia chernozemykh i kashtanovykh pochv.
Moskva, Izd-vo Akad.nauk SSSR, 1959. 134 p.

(Soil fertility) (Chernozem soils)

(MIRA 13:12)

ANTIPOV-KARATAYEV, I.N., otv.red.; MAKAROV, V.Ya., red. i ed-vz;
SHEVCHENKO, G.N., tekhn.red.

[Problems in the physics and chemistry of soil and methods
of soil research] Voprosy fiziko-khimii pochv i metody
issledovaniia. Moscow, 1959. 153 p. (MIRA 12:11)

1. Akademiya nauk SSSR. Pochvennyy institut im. V.V.Dokuchayeva.
2. Deystvitel'nyy chlen AN Tadzhikskoy SSR (for Antipov-Karatayev).
(Soil research)

GERASIMOV, I.P., akademik, otd.red.; ANTIPOV-KARATAYEV, I.N., akademik,
otd.red.; YEMIKOV, K.Kh., dotsent, otd.red.; TANOV, Ye.N.,
starshiy nauchnyy sotrudnik, otd.red.; GALEVA, V.V., red.;
TYURIN, I.V., red.; KAVUM, P.K., red.izd-va; MAKHNI, Ye.V.,
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Klimes-Szmik Andor and Dvoracsek Miklós. Reviewed by I.N. Anti-
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(Di Gleria, Janoš) (Klimes-Szmik, Andor) (Dvoracsek, Miklós)

ANTIPOV-KARATAYEV, I.N.; KADER, O.M.

Evaluating irrigation water from the point of view of soil improvement [with summary in English]. Pochvovedenie no.2:
96-101 p '59.
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(Irrigation)

5(4)

COV/69-21-2-2/22

AUTHORS: Antipov-Karatayev, I.N. and Kader, G.M.

TITLE: An Investigation of Exchange Reactions in Soils with the Aid of a Calcium Isotope ('Issledovaniye obmennykh reaktsiy v pochvakh s primeneniem izotopa kal'tsiya')

PERIODICAL: Kolloidnyy zhurnal, 1959, Nr 2, pp 139-143 (USSR)

ABSTRACT: The author has carried out an investigation tending to establish a desirable ratio of sodium salts and bivalent cation (particularly calcium) salts in irrigational and flooding waters, in order to prevent harmful effects on soils. A weighed portion of soil was treated with a solution (irrigational water), and subsequently the exchangeable calcium content of the solution was determined with the aid of radioactive calcium isotope Ca^{45} . The deficiency of calcium in the soil under investigation (i.e. salinity of the soil due to a superabundance of alkali cations) was determined by the difference between the absorbency of the soil and the found quantity of exchangeable calcium. The experimentally established

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30V/69-21-2-2/22

An Investigation of Exchange Reactions in Soils with the Aid of a Calcium Isotope

interdependency between the critical amount of exchangeable sodium (10% of the exchange capacity) and the general mineralization of the water (in grams per liter) permits a preliminary qualitative evaluation of water intended for irrigational and flooding purposes. There are 2 graphs, 3 tables and 7 references, 4 of which are Soviet, 1 English, 1 French and 1 German.

ASSOCIATION: Pochvennyy institut AN SSSR im.V.V. Dokuchayeva, Moskva
(Soil Institute of the AS of the USSR im.V.V. Dokuchayev,
Moscow)

SUBMITTED: January 16, 1959

Card 2/2

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BORCHKOVSKIY, F.N.; ILOVAYSKAYA, N.N.; KERZUM, P.A.; LIPKIND,
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Ol'ga Aleksandrovna Grabovskaya; obituary. Isv.Otd.est.nauk
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3. AN Tadzhikskoy SSR (for Antipov-Karatayev). 4. Institut fiziologii rasteniy im. K.A.Timiryazeva AN SSSR (for Genkel').
(Alkali lands) (Water, Underground) (Irrigation)

ANTIPOV-KARATAYEV, I.N., prof., akademik, otd.red.; PAVLOV, A.N.,
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ANTIPOV-KARATAYEV, I.N.---(continued) Card 2.

Ivanova, Kononova, Rozanov, Fridland, Sokolov). 4. Laboratoriya
lesovedeniya Akademii nauk SSSR, Moskva (for Zonn). 5. Vsesoyuznyy
nauchno-issledovatel'skiy institut udobreniy i agropochvovedeniya
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i Institut zemledeliya akademii sel'skokhoz.nauk Belorusskoy SSR (for
Kedrov-Zikhman). 6. Institut mikrobiologii Akademii nauk SSSR, Moskva
(for Mishustin). 7. Nauchnyy institut po udobreniyam i insektofungi-
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(Caspian Lowland--Afforestation)

ANTIPOV-KARATAYEV, I.N., akademik, red.; BOGOROLOV, G.V., akademik, red.; GENKEL', P.A., doktor biol. nauk, red.; PETINOV, N.S., doktor biol. nauk, red.; CHEVINSKIY, V.F., doktor sel'khoz. nauk, red.; SHAFRANSKAYA, N.Z., red. izd-va; YEGOROVA, N.F., tekhn. red.

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TYURIN, I.V., akademik; ANTIPOV-KARATAYEV, I.N., akademik

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(MIRA 18:11)

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Sergeyevich; POPKOV, Vasiliy Ivanovich; VORONIN, G.M., inzh.,
retsenzent; KARASEV, V.K., dots., retsenzent; ANTIPOVA, A.I.,
prepod., retsenzent; SHANG'GINA, V.F., kand. tekhn. nauk,
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(Garment cutting) (MIRA 16:8)

ROMANOVA, Anna Selivonatovna; TSAREV, Nikolay Ivanovich; ANTIPOVA,
A.I., red.

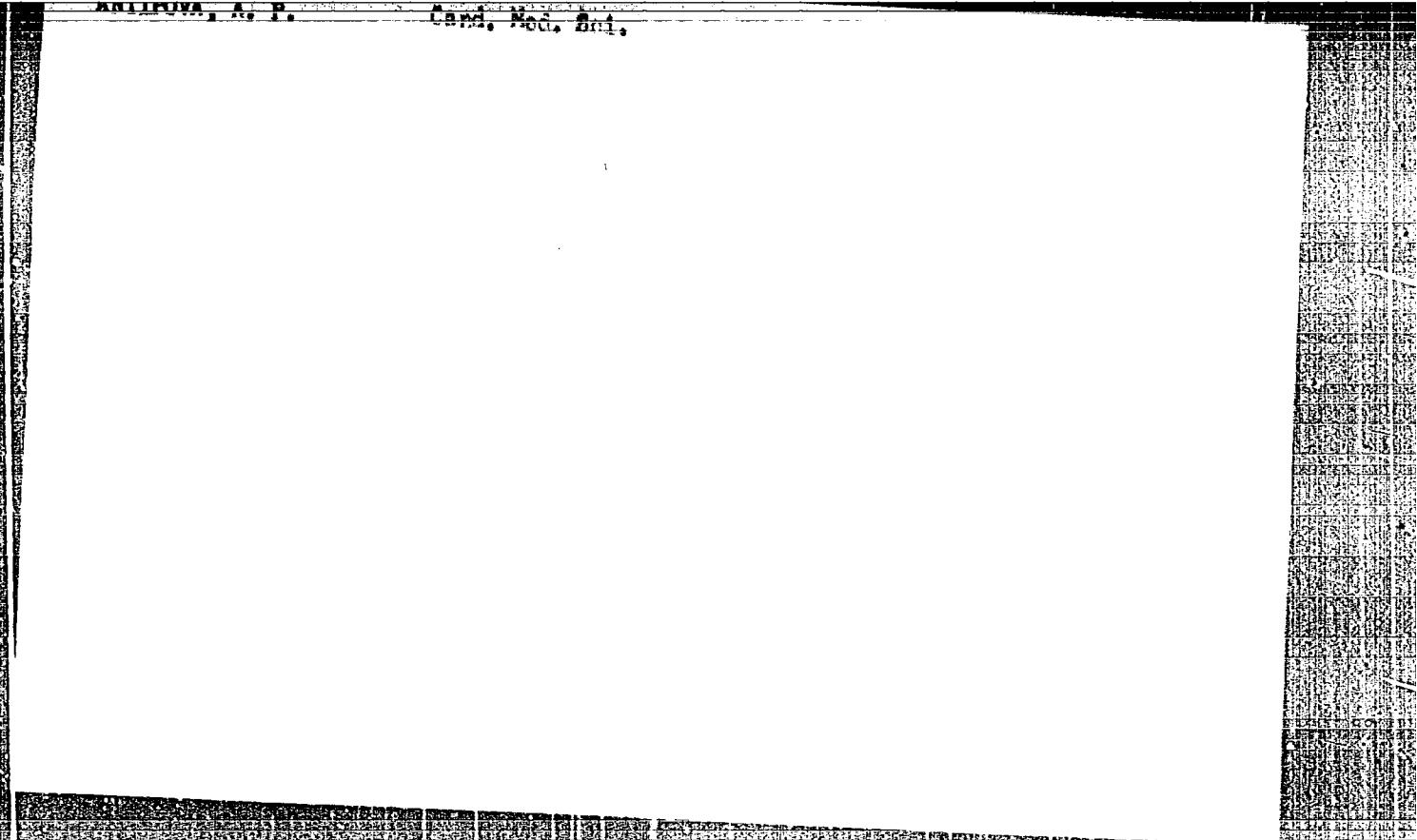
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retsenzent; VIDANOVA, R.I., prepodav., retsenzent;
GUR'YANOVA, N.I., prepodav., retsenzent; DATNER, M.G.,
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ANTIPOVA, A.P.

Certain data on functional disorders in bronchiectasis. Khirurgia,
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(CML 25:5)

1. Docent. 2. Of the Faculty Surgical Clinic (Director -- Honored Worker in Science Prof. N. N. Yelanskiy), First Moscow Order of Lenin Medical Institute, and of the First Surgical Clinic (Director -- Honored Worker in Science Prof. B. E. Linberg), Moscow Oblast Scientific-Research Clinical Institute.

ANTIPOVA, A.P., dotsent

Clinico-anatomical parallelisms in bronchiectasis. Khirurgia
no.6:51-59 Je '54.
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1. Iz fakul'tetskoy khirurgicheskoy kliniki I Moskovskogo ordena
Lenina meditsinskogo instituta (dir. zaslushenny deyatel' nauki
prof. N.H.Yelanskiy) i 1-y khirurgicheskoy kliniki Moskovskogo oblast-
nogo nauchno-issledovatel'skogo klinicheskogo instituta (dir. zaslu-
shenny deyatel' nauki prof. B.E.Linberg)

(BRONCHIECTASIS, physiology,
*anat. aspects, parallelism with clin. changes)

ANTIPOVA, A.P., dots.

Clinical-anatomical and pathogenetic classification of bronchiectatic diseases. Khirurgia 34 no.3:26-31 Mr '58. (MIRA 12:1)

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ANTIPOVA, A.P.

Significance of cytological examination of the sputum and bronchial lavage in bronchiectasis [with summary in English]. Terap.arkh.
31 no.1:68-77 Ja '59. (MIRA 12:2)

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(BRONCHIECTASIS, diag.
sputum & bronchial lavage cytol. exam. (Rus))
(SPUTUM,
" cytol. in bronchiectasis (Rus))

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ANTIPova, A.P. (Moskva, 1983, pleshejat' Pravil'kova, d.d., kv. 10)

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CIA-RDP86-00513R000101720010-9"

ANTIPOVA, A.S.; GORCHAROVA, M.V.

Khodzha-Kunyn salt deposit and methods for its development.
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Use of hydrolytic lignin for the production of quinonic nitro-polycarboxylic acids as growth promoting substances. Dokl. AN SSSR 164 no.3:598-601 S '65.
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AUTHOR: Chudakov, M. I.; Antipova, A. V.; Polyak, A. B.; Raskin, M. N.

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TITLE: Obtaining quinonic nitropolycarboxylic acids -- plant growth stimulants from hydrolytic lignin

SOURCE: AN SSSR. Doklady, v. 164, no. 3, 1965, 598-601

TOPIC TAGS: hydrolysis, plant growth, organic nitro compound, molecular weight, quinone, chemical reactor, polysaccharide, solvent extraction, chemical precipitation, polycarboxylic acid, biochemistry, oxidation

ABSTRACT: The authors have developed and applied a method of fractional, gradual oxidation and hydrolysis of condensed lignin with nitric acid in an aqueous medium at 100°. The gradual introduction of the oxidant in the reaction mixture leads to a minimum breakdown in the quinonic acids formed and permits the process to be carried out for a small consumption of oxidant. As the object of the investigation, different kinds of technical lignins subjected to prolonged condensation treatment were used. Lignin (lignin content, according to Koenig, was 85 - 90%, OCH₃ -- 4.7 - 5%) in the amount of 500 grams in 5 liters of water -- was placed into a stainless steel reactor fitted with cooling coils, a reflux condenser, a mixer, and an electric heating attachment. The suspension of lignin in water was heated to 100°. After the mixer had stirred the mixture gradually

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